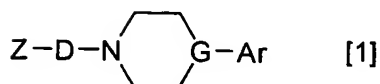
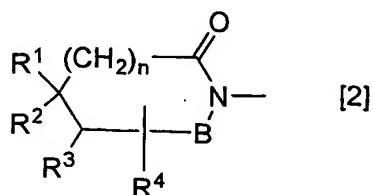


CLAIMS

1. A therapeutic/preventive agent for cognitive dysfunctions,
which comprises as an active ingredient an imide derivative of the formula
[1]:

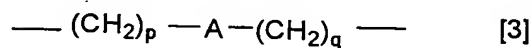


{wherein Z is a group of the formula [2]:



(in which B is a carbonyl or a sulfonyl; R¹ R², R³ and R⁴ are independently
a hydrogen atom or a lower alkyl, provided that R¹ and R², or R¹ and R³
may combine each other to form a hydrocarbon ring, or R¹ and R³ may
combine each other to form an aromatic hydrocarbon ring; said
hydrocarbon ring may optionally be cross-linked with a lower alkylene or
an oxygen atom; said lower alkylene and hydrocarbon ring may optionally
be substituted by at least one alkyl; and n is 0 or 1),

D is a group of the formula [3]:



(in which A is a hydrocarbon ring optionally be cross-linked with a lower
alkylene or an oxygen atom; said lower alkylene or said hydrocarbon ring
may optionally be substituted by at least one alkyl; and p and q are
independently 0, 1 or 2),

G is N, CH or COH, and -Ar is an aromatic heterocyclic group, an aromatic
hydrocarbon group, benzoyl, phenoxy, or phenylthio, or

G is a carbon atom, and -Ar is biphenylmethylenide,

where said aromatic heterocyclic group, aromatic hydrocarbon group,

benzoyl, phenoxy, phenylthio, and biphenylmethyldene may optionally be substituted by at least one group selected from a lower alkyl, a lower alkoxy and a halogen atom},
or an acid addition salt thereof.

5 2. The therapeutic/preventive agent for cognitive dysfunctions according to claim 1, which is a therapeutic agent for senile dementia.

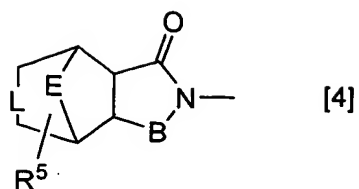
 3. A therapeutic/preventive agent for cognitive dysfunctions, which comprises as an active ingredient the imide derivative as disclosed in claim 1, wherein -Ar is an aromatic heterobicyclic group, naphthyl,
10 benzoyl, phenoxy or phenylthio, and G is N, CH or COH, or -Ar is biphenylmethyldene, and G is a carbon atom (said aromatic heterobicyclic group, naphthyl, benzoyl, phenoxy, phenylthio and biphenylmethyldene may optionally be substituted by at least one group selected from a lower alkyl, a lower alkoxy and a halogen atom), or an acid addition salt thereof.

15 4. The therapeutic/preventive agent for cognitive dysfunctions according to claim 3, which is a therapeutic agent for senile dementia.

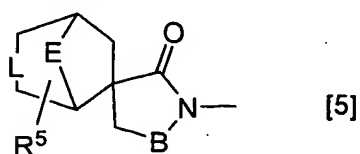
 5. A therapeutic/preventive agent for cognitive dysfunctions, which comprises as an active ingredient the imide derivative as disclosed in claim 1, wherein -Ar is an aromatic heterocyclic group condensed with
20 a benzene ring, or naphthyl, benzoyl, phenoxy or phenylthio (said aromatic heterocyclic group condensed with a benzene ring, naphthyl, benzoyl, phenoxy, and phenylthio may optionally be substituted by at least one group selected from a lower alkyl, a lower alkoxy and a halogen atom), and G is N, CH or COH, or an acid addition salt thereof.

25 6. The therapeutic/preventive agent for cognitive dysfunctions according to claim 5, which is a therapeutic agent for senile dementia.

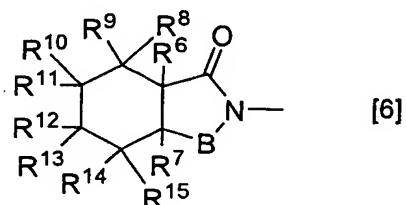
 7. A therapeutic/preventive agent for cognitive dysfunctions, which comprises as an active ingredient the imide derivative as disclosed in claim 1, wherein Z is a group of the formula [4]:



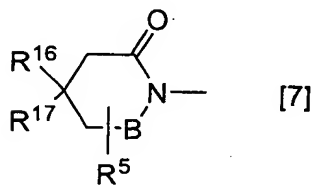
- in which -L- is a single bond or a double bond, E is a lower alkylene optionally substituted by a lower alkyl, or an oxygen atom, R⁵ is a hydrogen atom or a lower alkyl, and B is the same as defined in claim 1;
- 5 a group of the formula [5]:



- in which -L-, E, R⁵ and B are as defined above;
- a group of the formula [6]:



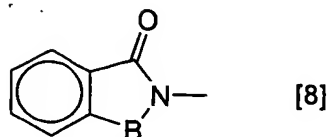
- 10 in which R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹², R¹³, R¹⁴, R¹⁵ are independently a hydrogen atom or a lower alkyl, or the adjacent two groups of R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹², R¹³, R¹⁴, R¹⁵ may combine each other to form a double bond, and B is as defined above;
- a group of the formula [7]:



15

- in which R¹⁶ and R¹⁷ are independently a hydrogen atom or a lower alkyl, or R¹⁶ and R¹⁷ may combine each other to form a saturated hydrocarbon ring, and R⁵ and B are as defined above; or

a group of the formula [8]:



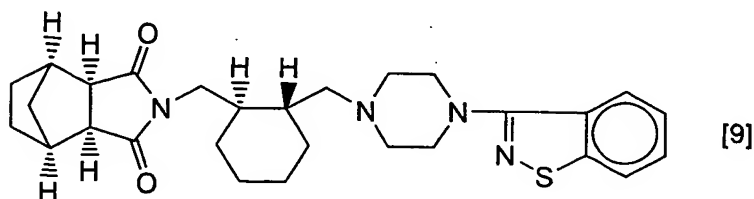
in which B is as defined above,

or an acid addition salt thereof.

5 8. The therapeutic/preventive agent for cognitive dysfunctions according to claim 7, which is a therapeutic agent for senile dementia.

9. A therapeutic/preventive agent for cognitive dysfunctions, which comprises as an active ingredient the imide derivative as disclosed in claim 1, wherein the compound of the formula [1] is a compound of the

10 formula [9]:



or an acid addition salt thereof.

10. The therapeutic/preventive agent for cognitive dysfunctions according to claim 9, which is a therapeutic agent for senile dementia.

15 11. The therapeutic/preventive agent for cognitive dysfunctions according to any one of claims 2, 4, 6, 8 and 10, which is a therapeutic agent for the Alzheimer type dementia.

20 12. The therapeutic/preventive agent for cognitive dysfunctions according to any one of claims 2, 4, 6, 8 and 10, which is a therapeutic agent for the cerebrovascular dementia.